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State of Utah

DEPARTMENT OF NATURAL RESOURCES

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Division of Oil, Gas and Mining

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Division Director

M/043/0019

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June 3, 2009

Robert Hicken
Mountain Valley Stone, Inc.
P.O. Box 985
2275 South Daniels Road
Heber City, Utah 84032

Subject: Fourth Review of Notice of Intention to Commence Large Mining Operations Mountain Valley Stone, Inc., Browns Canyon Quarry, M/043/0019, Summit County, Utah

Dear Mr. Hicken:

The Division has completed a review of your Notice of Intention to Commence Large Mining Operations for the Browns Canyon Quarry Mine, located in Summit County, Utah, which was received December 8, 2008. The attached comments will need to be addressed before tentative approval may be granted.

The comments are listed under the applicable Minerals Rule heading; please format your response in a similar fashion. Please address only those items requested in the attached technical review by sending replacement pages of the original mining notice. Two copies of the permit have already been received, so send 2 replacement pages. After the notice is determined technically complete and we are prepared to issue final approval. Upon final approval of the permit, we will return one copy stamped "approved" for your records.

The Division will suspend further review of the Notice of Intention until your response to this letter is received. If you have any questions in this regard please contact me at (801) 538-5320 or, Lynn Kunzler (801) 538-5310, Tom Munson (801) 538-5321, or Leslie Heppler (801) 538-5257 of the Minerals Staff. Thank you for your cooperation in completing this permitting action.

Sincerely,

Paul B. Baker
Minerals Program Manager

PBB:lah:vs
Attachment: Review & Surety Calc
P:\GROUPO\M043-Summit\M0430019-BrownsCyn-MVS\Final\REV4-2779-02262009.doc



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**FOURTH REVIEW OF NOTICE OF INTENTION
TO COMMENCE LARGE MINING OPERATIONS**

**Mountain Valley Stone
Browns Canyon Quarry Mine**

**M0430019
February 26, 2009**

General Comments:

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
1	General	Submittal should be formatted to easily incorporate additional revisions and amendments.	lah	
2	All	Add page numbers, it is easier to communicate about a certain page	lah	
3	All	Not all rule numbers have been used	lah	

R647-4-104 – Operator(s), Surface and Mineral Owner(s)

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
4	#6, #7	Include phone numbers of operators	lah	
5	#7	Include the Minerals rights numbers. If Wright Garff land is a Federal lease (include BLM numbers), or a state lease (include ML number), or private mineral rights	lah	

R647-4-105 - Maps, Drawings & Photographs

Specific Map Comments

105.1 Topographic base map, boundaries, pre-act disturbance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
6	All	No preact disturbance has been shown, note in text "no preact disturbance at this site"	lah	

105.2 Surface facilities map

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
7	105.2 c	Please add "No exploration test borings, pits or core holes are planned at this time"	lah	
8	Figure 2	Please add erosion control locations on this figure. Certainly berms with a rock check dams would be the best alternative control. Since the storage is a large flat area, it makes sense to direct the runoff to certain erosion control points with a perimeter berm.	tm	

105.3 Drawings or Cross Sections (slopes, roads, pads, etc.)

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
9	105.3 c.	Please add a north-south cross section thru Lot 37 with no vertical exaggeration from the south property boundary to the north boundary	lah	

105.4 Photographs

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
10		It is recommended that photographs are included	lah	

R647-4-106 - Operation Plan

General Operation Comments

106.1 Existing vegetation - species and amount

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
11	Top of page	Please add "The wetland areas will be protected from the effects of mining with the appropriate sediment control, pollution control and storm water run off control as needed. Details are shown on sheet SP-2." Wetland area protection is to be discussed under section 109.1	lah	

106.2 Depth to groundwater, extent of overburden, geology

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
12	Para 4	Note where and how the andesite clay will be disposed of. Address the low friction angle of the material and what will be done to prevent a slope stability failure in the waste area.	lah	

R647-4-107 - Operation Practices

107.1.13 Plugging or capping drill holes

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
13	107.1.13	Address how the water well will be plugged or give the detail on who will accept liability for the water well abandonment.	lah	

107.2 Drainages to minimize damage

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
14	107.2	Describe what measures will be taken to minimize runoff from affecting natural drainage channels	lah	

R647-4-108 - Hole Plugging Requirements

R647-4-109 - Impact Assessment

109.1 Impacts to surface & groundwater systems

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
15	109.1	Rewrite "...will do everything in its power..." to "Mountain Valley Stone will not disturb any of the wetland areas".	lah	
16	109.1	It does not make a lot of sense to place an erosion control fence around the whole perimeter. It would be a better erosion control method to use berms to direct runoff and rock check dams at selected runoff discharge points. These would be less likely to fail and not be a constant maintenance problem like silt fence. These control may need to be field fit once the site is prepared for storage.	tm	

R647-4-113 - Surety

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
17		5 year escalated surety is determined to be \$154,900, calculation sheet is attached.	lah	